## **CLAIMS**

1	1. A method of concealing spatial errors in a coded image comprised of a stream of
2	macroblocks, comprising the steps of:
3	examining each macroblock for pixel data errors, and if such errors exist, then:
4	establishing at least one intra-prediction mode from neighboring blocks, and then
5	deriving estimated pixel data in accordance with the at least one established intra
6	prediction mode to correct the pixel data errors.
1	2. The method according to claim 1 wherein the coded imaged is coded in
2	accordance with a predetermined coding standard and wherein the intra prediction mode is
3	specified by the predetermined coding standard.
1	<ol> <li>The method according to claim 2 wherein the coded imaged is coded in</li> </ol>
2	accordance with the ISO/ITU H.264 coding standard and wherein the intra prediction mode is
3	specified by the ISO/ITU H.264 coding standard.
1	4. The method according to claim 1 wherein the establishing of at least one intra-
2	prediction mode is limited to information within a rectangular array of blocks centered about the
3	block having missing pixel data.
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1 2	5. The method according to claim 3 wherein the at least one intra prediction mode is
	established in accordance with a relative position of intra prediction modes of macroblocks
3 .	neighboring the macroblock with pixel data errors.
1	6. A method of concealing spatial errors in a coded image comprised of a stream of
2	6. A method of concealing spatial errors in a coded image comprised of a stream of macroblocks coded in accordance with the ISO/ITU H.264 Standard, the method comprising the
3	steps of:
4	examining each macroblock for pixel data errors, and if so, then:
5	
6	deriving at least one intra-prediction mode from neighboring blocks, the mode specified by the ISO/ITU H.264 standard; and
7	
8	applying at least one interpolation filter corresponding the at least one derived intra
-	prediction mode to estimate the pixel data to correct the pixel data errors.

1 The method according to claim 6 wherein the establishing of at least one intra-7. prediction mode is limited to information within a rectangular array of blocks centered about the 2 3 block having missing data. 1 8. The method according to claim 7 wherein the establishing of the at least one intraprediction mode is made in accordance with a relative position of intra prediction modes of 2 blocks neighboring the block with missing pixel data. 3 The method according to claim 6 wherein an individual macroblocks can be intra-1 9. predicted as one of a single partition of 16x16 pixels (Intra\_16x16 type coding) or as partition of 2 3 16 blocks of 4x4 pixels (Intra\_4x4 type coding). The method according to claim 9 wherein for the Intra\_16x16 type coding, the 1 10. intra prediction modes comprise: (a) Mode 0, vertical prediction; (b) Mode 1, horizontal 2 prediction; (c) Mode 2, DC prediction; and (d) Mode 3, plane prediction. 3 The method according to claim 9 wherein for the Intra\_4x4 coding type, the 1 11. prediction modes each one having associated an interpolation filter to derive a prediction for each 2 3 pixel within a block. The method according to claim 9 wherein the prediction modes comprise: (a) 1 12. Mode 0, vertical prediction; (b) Mode 1, horizontal prediction; (c) Mode 2, DC prediction; (d) 2 Mode 3, diagonal down-left prediction; (e) Mode 4, diagonal down-right prediction; (f) Mode 5, 3 vertical right prediction; (g) Mode 6, horizontal down prediction; (h) Mode 7, vertical left 4 5 prediction; and (i) Mode 8, horizontal up prediction. 6